

202

10.8

p578 14, 16-20, 23, 24, 28, 32

14.

$$49 = (x-5)^2 + (y-10)^2$$

16.

$$64 = (x+8)^2 + (y-8)^2$$

17.

$$144 = (x+3)^2 + (y+10)^2$$

18.

$$r^2 = \underbrace{(x+3)}_{(0+3)}^2 + \underbrace{(y-6)}_{(6-6)}^2$$

$$9 = (x+3)^2 + (y-6)^2$$

19.

$$(2, -2) (-2, 2)$$

$$C\left(\frac{2+(-2)}{2}, \frac{-2+2}{2}\right)$$

$$C(0, 0)$$

$$r^2 = x^2 + y^2$$

$$2^2 + (-2)^2$$

$$8 = x^2 + y^2$$

20.

$$(-7, -2) (-13, 6)$$

$$C\left(\frac{-7+(-13)}{2}, \frac{-2+6}{2}\right)$$

$$(-10, 2)$$

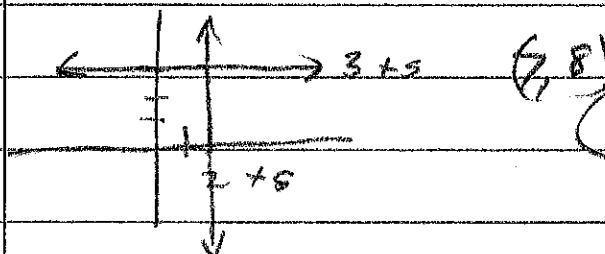
$$(x+11)^2 + (y-2)^2 = r^2$$

$$(-7+11)^2 + (-2-2)^2$$

$$16 + 16 = r^2$$

$$32 = (x+11)^2 + (y-2)^2$$

23.

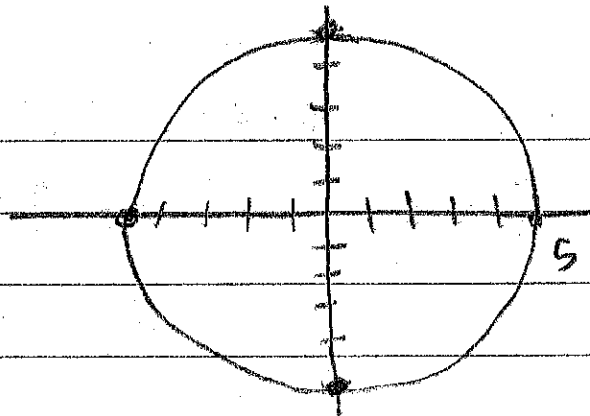


$$25 = (x-7)^2 + (y-8)^2$$

24. $x^2 + y^2 = 25$

$C(0,0)$

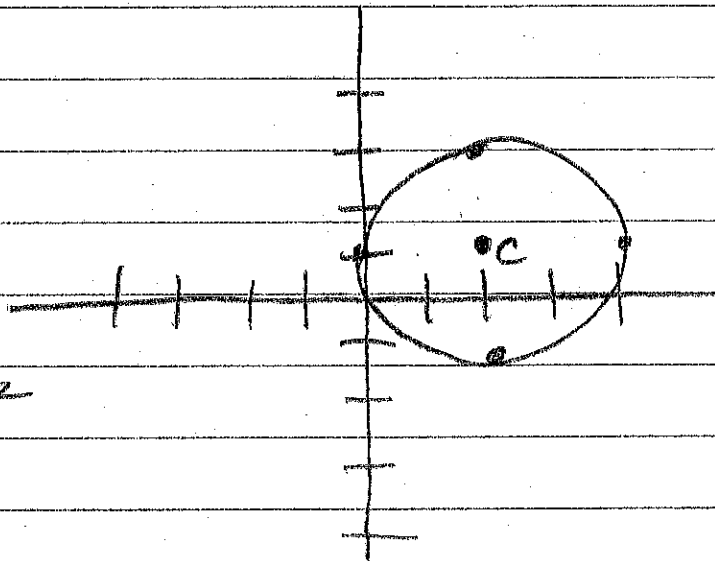
$r = 5$



28. $(x-2)^2 + (y-1)^2 = 4$

$C(2,1)$

$r = 2$



32.

$(x-2)^2 + (y-2)^2 = r^2$

2

5

0

9

$r = 3$